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Vrabie et al.

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(54) TUBE EXPANDER FOR HEAT EXCHANGER COIL UNITS

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B21D 39/206; B21D 41/02; B21D 41/026; B21D 41/028; B21D 53/06; B21D 43/003; B23P 19/02; B23P 19/027

See application file for complete search history.

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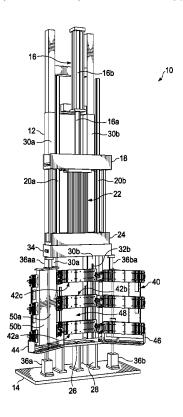
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(57) ABSTRACT

A tube expander for heat exchanger coil units according to which a tubular expansion process is conducted. In one aspect, the tube expander includes a fixture, which includes a back unit and first and second door assemblies movably connected thereto. One or more heat exchanger coil units are adapted to be connected to each of the first and second door assemblies. In another aspect, the fixture is adjustable to accommodate different heat exchanger coil units. In yet another aspect, the tubular expansion process is not permitted when the first or second door assembly is closed and a sensor does not sense the presence of a latch bar.

30 Claims, 31 Drawing Sheets



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